



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complete if Known

Application Number	10/634,180
Filing Date	August 5, 2003
First Named Inventor	Bunker, et al
Art Unit	1624
Examiner Name	Deepak R. Rao
Attorney Docket Number	PC 25245A

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)				
		EP 0 935 963 A2/A3	08/18/1999	McClure, et al.		
		EP 1 069 110 A1	01/17/2001	Kimura, et al.		
		EP 1 138 680 A1	10/04/2001	Noe		

Examiner Signature		Date Considered	
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Sheet 2 of 4

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		Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)				
		WO 00/09485 A1	02/24/2000	McClure, et al.		
		WO 01/12611 A1	02/22/2001	Blagg		
		WO 01/63244 A1	08/30/2001	Chen, et al.		
		WO 02/34726 A2/A3	05/02/2002	Noe, et al.		
		WO 02/34753 A2/A3	05/02/2002	Bronk, et al.		

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Substitute for form 1449B/PTO				Complete If Known	
				<i>Application Number</i>	10/634,180
				<i>Filing Date</i>	August 5, 2003
				<i>First Named Inventor</i>	Bunker, et al
				<i>Art Unit</i>	1624
				<i>Examiner Name</i>	Deepak R. Rao
Sheet	3	of	4	<i>Attorney Docket Number</i>	PC 25245A

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
		BILLINGHURST, et al., Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase, Arthritis & Rheumatism, 2000; 43(3): 664-672				
		BILLINGHURST, et al., Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage, J. Clin Invest., 1997; 99(7): 1534-1545				
		CHEN, et al., Structure-Based Design of a Novel, Potent, and selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design, J. Am. Chem. Soc., 2000; 122: 9648-9654				
		DAHLBERG, et al., Selective Enhancement of Collagenase-mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase 1 (Matrix Metalloproteinase2), Arthritis & Rheumatism, 2000; 43(3): 673-682				
		HIROTA, et al., Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]pyrimidines, and Quinazolines via Palladium-catalyzed Oxidative Coupling, Heterocycles, 1994; 37(1): 563-570				
		LOVEJOY, et al., Crystal structures of MMP-1 AND -13 reveal the structural basis for selectivity of collagenase inhibitors, Nature Structural Biology, 1999; 6(3): 217-221				
		MITCHELL, et al., Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic, Cartilage, J. Clin. Invest., 1996; 97: 761-768				
		MOKROSZ, et al., Structure-activity relationship studies of CNS agents. Part 10(1): 1-Aryl-2-[3-(4-aryl-1-piperazinyl)propyl]-1,4-dihydro-3(2H)-isoquinolinones:two modes of the interaction with the 5-HT1A receptor site. Pharmazie, 1994; 49(5): 328-33				
		MOY, et al., High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-3) Complexed with a Hydroxamic Acid Inhibitor, J. Mol. Biol., 2000; 302: 671-689				
		NEUHOLD, et al., Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice, J. Clin. Invest., 2001; 107(1): 35-44				

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Sheet	4	of	4	<i>Attorney Docket Number</i>	PC 25245A
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